



STIC Search Report

EIC 1700

STIC Database Tracking Number: 206433

TO: Eisa Elhilo
Location: REM 9C19
Art Unit : 1751
November 6, 2006

Case Serial Number: 10/808694

From: Ross Shipe
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-6018
Ross.Shipe@uspto.gov

Search Notes

Dear Elhilo:

Please review the attached search results.

If you have any questions or if you would like to refine the search query, please feel free to contact me at any time.

Thank you for using EIC 1700 search services!

Ross Shipe (ASRC)
Technical Information Specialist



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Kathleen Fuller, EIC 1700 Team Leader
571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form

- I am an examiner in Workgroup: Example: 1713
➤ Relevant prior art found, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not** found:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC1700 REMSEN 4B28

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(FILE 'HOME' ENTERED AT 12:00:27 ON 06 NOV 2006)

FILE 'HCAPLUS' ENTERED AT 12:00:45 ON 06 NOV 2006

FILE 'REGISTRY' ENTERED AT 12:43:26 ON 06 NOV 2006

L1 STR
L2 4 SEA SSS SAM L1
L3 113 SEA SSS FUL L1
SAV L3 ELH694/A
L4 1 SEA ABB=ON PLU=ON 7408-20-0/RN
L5 1 SEA ABB=ON PLU=ON 7722-84-1/RN
L6 1 SEA ABB=ON PLU=ON 29578-05-0/RN
L7 1 SEA ABB=ON PLU=ON 58976-65-1/RN
L8 1 SEA ABB=ON PLU=ON 148124-42-9/RN
L9 3 SEA ABB=ON PLU=ON L3 AND (L4 OR L5 OR L6 OR L7 OR L8)

FILE 'HCAPLUS' ENTERED AT 13:11:31 ON 06 NOV 2006

L10 388 SEA ABB=ON PLU=ON L3
L11 6 SEA ABB=ON PLU=ON L10 (L) (HAIR? OR KERATIN?) (L)
(COLOR? OR DY?)
L12 8 SEA ABB=ON PLU=ON L10 AND (HAIR? OR KERATIN?) AND
(COLOR? OR DY?)
L13 22 SEA ABB=ON PLU=ON L10 (L) (HAIR? OR KERATIN?)
D SCAN L12 TI CC
L14 22 SEA ABB=ON PLU=ON L11 OR L12 OR L13
L15 22 SEA ABB=ON PLU=ON L14 AND ESSENTIAL OILS?/SC,SX
L16 18 SEA ABB=ON PLU=ON L15 AND (1840-2003)/PRY,PY,AY
L17 1 SEA ABB=ON PLU=ON L16 AND 2004:800833/AN

=> file reg

FILE 'REGISTRY' ENTERED AT 13:22:23 ON 06 NOV 2006

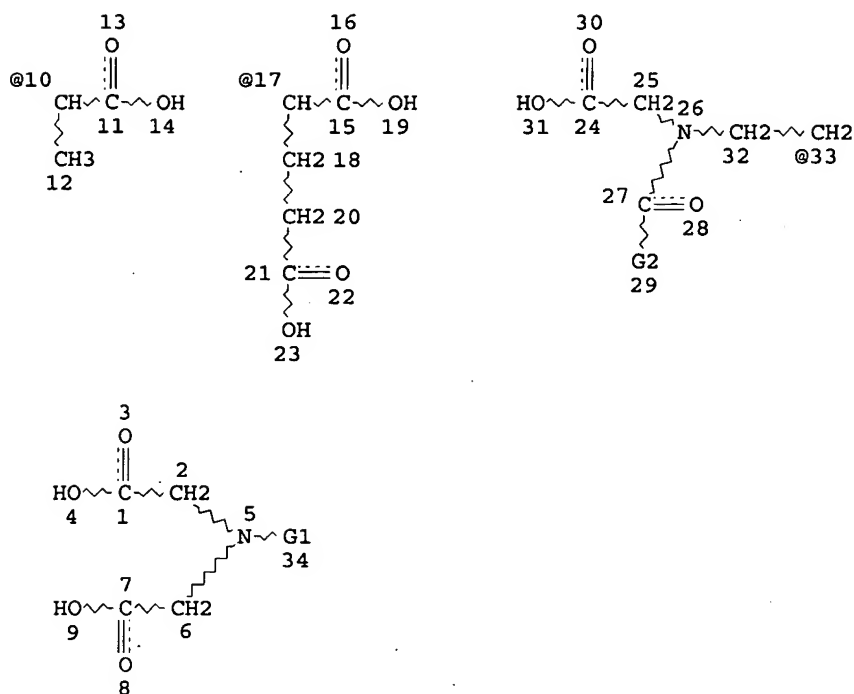
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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=> d l16 que stat

L1 STR



VAR G1=10/17/33

VAR G2=CB/AK

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 34

STEREO ATTRIBUTES: NONE

L3 113 SEA FILE=REGISTRY SSS FUL L1
 L10 388 SEA FILE=HCAPLUS ABB=ON PLU=ON L3
 L11 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 (L) (HAIR? OR
 KERATIN?) (L) (COLOR? OR DY?)
 L12 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 AND (HAIR? OR
 KERATIN?) AND (COLOR? OR DY?)
 L13 22 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 (L) (HAIR? OR
 KERATIN?)
 L14 22 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 OR L12 OR L13
 L15 22 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND ESSENTIAL
 OILS?/SC,SX
 L16 18 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 AND (1840-2003)/PRY,
 PY,AY

=> file hcaplus

FILE 'HCAPLUS' ENTERED AT 13:22:41 ON 06 NOV 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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=> d l16 1-18 ibib abs hitstr hitind

L16 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:963148 HCAPLUS
 DOCUMENT NUMBER: 141:400486
 TITLE: Storage-stable hydrogen peroxide-containing compositions
 INVENTOR(S): Tsuge, Rinji; Konno, Yoshihiro
 PATENT ASSIGNEE(S): Hoyu Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004315412	A2	20041111	JP 2003-110423	20030415

PRIORITY APPLN. INFO.:

JP 2003-110423

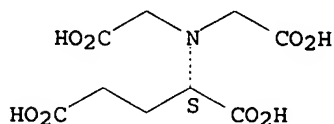
20030415

AB The compns. contain (A) H₂O₂, (B) allantoin, octyl salicylate, glycyrrhizic acids, glycyrrhetinic acids, and/or glutamic acid-diacetic acids, (C) H₂O, and optionally, (D) 1-hydroxyethane-1,1-diphosphonic acid or its salts, H₃PO₄ and/or citric acid, surfactants, and oily ingredients. The compns. are combined with alkali agent compns. for use as hair dyes, hair bleaches, or permanent wave compns. A hair dye 2nd composition containing 35% H₂O₂ solution 17.0, allantoin 0.1, citric acid 0.05, propylene glycol 0.5, cetanol 2.0, Na lauryl sulfate 0.5, stearyltrimethylammonium chloride 0.1, polyoxyethylene (2) cetyl ether 0.5, polyoxyethylene (20) cetyl ether 0.5, and H₂O to 100 weight% was mixed at a weight ratio of 1:1 with a 1st composition containing NH₄OH and monoethanolamine to give a hair dye, which showed ≥98% residual H₂O₂ after 1-mo storage at 50° or after 6-mo storage at 40° and good hair-dyeing effect.

IT 51981-21-6, L-Glutamic acid-N,N-diacetic acid tetrasodium salt 58976-65-1, L-Glutamic acid-N,N-diacetic acid
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (storage-stable H₂O₂-containing compns. containing stabilizers for hair dyes, bleaches, or permanent wave compns.)

RN 51981-21-6 HCAPLUS
 CN L-Glutamic acid, N,N-bis(carboxymethyl)-, tetrasodium salt (9CI) (CA INDEX NAME)

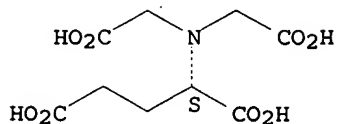
Absolute stereochemistry.



●4 Na

RN 58976-65-1 HCAPLUS
 CN L-Glutamic acid, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



- IC ICM A61K0007-06
ICS A61K0007-09; A61K0007-13; A61K0007-135
- CC 62-3 (Essential Oils and Cosmetics)
- ST hydrogen peroxide stability **hair dye** bleach;
permanent wave **hair** hydrogen peroxide stability; allantoin
hydrogen peroxide **hair dye** bleach; octyl
salicylate hydrogen peroxide **hair dye**;
glycyrrhetinate glutamic diacetic hydrogen peroxide **hair**;
hydroxyethanediphosphonate phosphate citrate hydrogen peroxide
hair
- IT **Hair preparations**
(bleaches; storage-stable H2O2-containing compns. containing stabilizers
for **hair dyes**, bleaches, or permanent wave
compns.)
- IT **Hair preparations**
(**dyes**; storage-stable H2O2-containing compns. containing
stabilizers for **hair dyes**, bleaches, or
permanent wave compns.)
- IT **Hair preparations**
(permanent wave; storage-stable H2O2-containing compns. containing
stabilizers for **hair dyes**, bleaches, or
permanent wave compns.)
- IT Human
Surfactants
(storage-stable H2O2-containing compns. containing stabilizers for
hair dyes, bleaches, or permanent wave compns.)
- IT **Hair preparations**
(straighteners; storage-stable H2O2-containing compns. containing
stabilizers for **hair dyes**, bleaches, or
permanent wave compns.)
- IT 7722-84-1, Hydrogen peroxide, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(storage-stable H2O2-containing compns. containing stabilizers for
hair dyes, bleaches, or permanent wave compns.)
- IT 57-55-6, Propylene glycol, biological studies 77-92-9, Citric
acid, biological studies 97-59-6, Allantoin 112-03-8,
Stearyltrimethylammonium chloride 118-60-5, Octyl salicylate
151-21-3, Sodium lauryl sulfate, biological studies 471-53-4,
Glycyrrhetinic acid 1405-86-3, Glycyrrhizic acid 2809-21-4,
1-Hydroxyethane-1,1-diphosphonic acid 3794-83-0,
1-Hydroxyethane-1,1-diphosphonic acid tetrasodium salt 7664-38-2,
Phosphoric acid, biological studies 9004-95-9, Polyoxyethylene
cetyl ether 36653-82-4, Cetanol 51981-21-6, L-Glutamic
acid-N,N-diacetic acid tetrasodium salt 58976-65-1,
L-Glutamic acid-N,N-diacetic acid 68797-35-3, Dipotassium
glycyrrhizinate
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL
(Biological study); USES (Uses)
(storage-stable H2O2-containing compns. containing stabilizers for
hair dyes, bleaches, or permanent wave compns.)

L16 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:822985 HCAPLUS
DOCUMENT NUMBER: 141:337250
TITLE: Composition for coloring for human
keratinic substances containing a

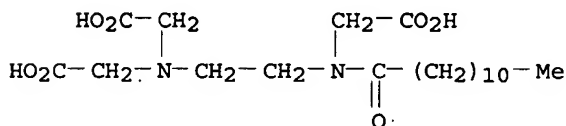
fluorescent dye and a particulate
sequestering agent
INVENTOR(S): Plos, Gregory; Gourlaouen, Luc
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: Fr. Demande, 35 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2853231	A1	20041008	FR 2003-4024	20030401
WO 2004091556	A2	20041028	WO 2004-FR818	20040401
WO 2004091556	A3	20050217		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005098763	A1	20050512	US 2004-814585	20040401
BR 2004005648	A	20050719	BR 2004-5648	20040401
EP 1622580	A2	20060208	EP 2004-758927	20040401
JP 2006522077	T2	20060928	JP 2006-505773	20040401
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			FR 2003-4024	A 20030401
			US 2003-468081P	P 20030506
			WO 2004-FR818	W 20040401

OTHER SOURCE(S): MARPAT 141:337250

Ross Shipe EIC 1700 Remsen 4B31 571/272-6018

- AB A composition for coloring human hair comprises a fluorescent dye and a particulate sequestering agent. Thus, 2-picoline was reacted with 1,6-dibromohexane to obtain a precipitate which was separated and reacted with p-dimethylaminobenzaldehyde to to obtain 1,6-bis[(2-p-dimethylaminophenylethenyl)pyridinium]hexane polymer (I). A hair dye contained I 1, mucic acid 0.2, pH adjusting agent q.s., and water q.s. 100%.
- IT 148124-42-9
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- RN 148124-42-9 HCAPLUS
- CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-(9CI) (CA INDEX NAME)



- IC ICM A61K0007-13
 ICS A61K0007-021
- CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 25
- ST hair color particulate fluorescent dye sequestering agent
- IT Azo dyes
 Sequestering agents
 (composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- IT Hair preparations
 (dyes; composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy; composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (polycarboxylic; composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- IT 81-83-4D, Naphthalimide, derivs. 526-99-8, Mucic acid 1199-01-5D, Azlactone, derivs. 2465-27-2D, derivs. 29556-33-0
 148124-42-9
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- IT 139537-27-2P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (composition for coloring for human keratinic substances containing fluorescent dye and particulate sequestering agent)
- IT 100-10-7, p-Dimethylaminobenzaldehyde 109-06-8, 2-Picoline 629-03-8, 1,6-Dibromohexane
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (composition for coloring for human keratinic

substances containing fluorescent dye and particulate
sequestering agent)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L16 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:800834 HCAPLUS

DOCUMENT NUMBER: 141:319490

TITLE: Reducing compositions for the decoloration or
permanent deformation of keratin fibers,
comprising polycarboxylic acids and their salts
as complexing agents

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Fr. Demande, 56 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2852837	A1	20041001	FR 2003-50066	200303 25
FR 2852839	A1	20041001	FR 2003-50079	200303 28
FR 2852839	B1	20060818		
EP 1473022	A2	20041103	EP 2004-101246	200403 25
EP 1473022	A3	20050824		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
US 2005036970	A1	20050217	US 2004-809879	200403 25
PRIORITY APPLN. INFO.:			FR 2003-50066	A 200303 25
			FR 2003-50079	A 200303 28
			US 2003-461982P	P 200304 11

OTHER SOURCE(S): MARPAT 141:319490

AB Reducing comps. for the decoloration or permanent deformation of
keratin fibers, particularly hair, comprise polycarboxylic acids and
their salts as complexing agents. A reducing composition contained
sodium hydroxymethane sulfinat 7, cetyl alc. 3, sodium lauryl
sulfate 0.7, benzyl alc. 2, propylene glycol 10, 40% trisodium
methylglycine diacetic acid 0.15, 85% PO4H2 q.s. pH = 2.7, and water
q.s. 100 g.

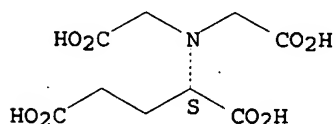
IT 58976-65-1 148124-42-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(reducing compns. for decoloration or permanent deformation of
keratin fibers, comprising polycarboxylic acids and their
salts as complexing agents)

RN 58976-65-1 HCAPLUS

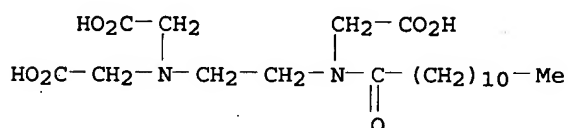
CN L-Glutamic acid, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 148124-42-9 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-
(9CI) (CA INDEX NAME)



IC ICM A61K0007-135

ICS A61K0007-09

CC 62-3 (Essential Oils and Cosmetics)

IT 52-90-4, Cysteine, biological studies 68-11-1, Thioglycolic acid,
biological studies 79-42-5, Thiolactic acid 93-62-9 123-93-3,
Thiodiglycolic acid 7408-20-0, Iminodisuccinic acid
58976-65-1 110594-46-2 148124-42-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(reducing compns. for decoloration or permanent deformation of
keratin fibers, comprising polycarboxylic acids and their
salts as complexing agents)

L16 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:800833 HCAPLUS

DOCUMENT NUMBER: 141:319489

TITLE: Use of polycarboxylic acids and their salts as
sequestering agents in oxidizing compositions
for coloring, discoloring, or
permanent deformation of **keratin**
fibers

INVENTOR(S): Legrand, Frederic; Millequant, Jean Marie

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Fr. Demande, 75 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2852835	A1	20041001	FR 2003-50064	200303 25
FR 2852838	A1	20041001	FR 2003-50078	200303

28

EP 1475074

A1

20041110

EP 2004-101243

200403

25

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
PL, SK

US 2005039270

A1

20050224

US 2004-808694

200403

25

PRIORITY APPLN. INFO.:

FR 2003-50064

A

200303

25

FR 2003-50078

A

200303

28

US 2003-461983P

P

200304

11

AB The use of polycarboxylic acids and their salts as sequestering agents in oxidizing compns. intended for the discoloration or the permanent deformation of **keratinous** fibers, in particular of human **keratinous** fibers, such as **hair** is claimed. It also refers to oxidizing compns. for the discoloration or the permanent deformation of **keratinous** fibers, which contain such sequestering agents, as well as the processes and devices or "kits" of discoloration or permanent **keratinous** fiber deformation. An oxidizing composition contained 40% trisodium methylglycinediacetic acid 0.075, hydrogen peroxide 12, 85% phosphoric acid q.s. pH = 2, and water q.s. 100 g. The composition was more stable than control containing 40% pentasodium diethylene triamine pentacetic acid.

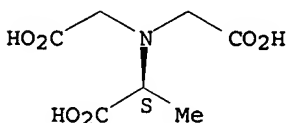
IT 29578-05-0, Methylglycinediacetic acid 58976-65-1
148124-42-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(use of polycarboxylic acids and their salts as sequestering agents in oxidizing compns. for **coloring**, discoloring, or permanent deformation of **keratin** fibers)

RN 29578-05-0 HCAPLUS

CN L-Alanine, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

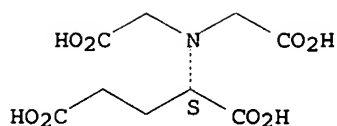
Absolute stereochemistry.



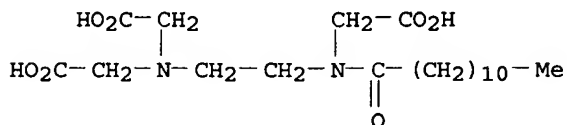
RN 58976-65-1 HCAPLUS

CN L-Glutamic acid, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 148124-42-9 HCAPLUS
 CN Glycine, N-[2-[[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-
 (9CI) (CA INDEX NAME)



IC ICM A61K0007-135
 ICS A61K0007-13; A61K0007-09
 CC 62-3 (Essential Oils and Cosmetics)
 ST polycarboxylic acid salt sequestering agent oxidizing
 coloring discoloring
 IT Hair preparations
 (bleaches; use of polycarboxylic acids and their salts as
 sequestering agents in oxidizing compns. for coloring,
 discoloring, or permanent deformation of keratin
 fibers)
 IT Hair preparations
 (dyes; use of polycarboxylic acids and their salts as
 sequestering agents in oxidizing compns. for coloring,
 discoloring, or permanent deformation of keratin
 fibers)
 IT Hair preparations
 (permanent wave; use of polycarboxylic acids and their salts as
 sequestering agents in oxidizing compns. for coloring,
 discoloring, or permanent deformation of keratin
 fibers)
 IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (polycarboxylic; use of polycarboxylic acids and their salts as
 sequestering agents in oxidizing compns. for coloring,
 discoloring, or permanent deformation of keratin
 fibers)
 IT Complexing agents
 Sequestering agents
 (use of polycarboxylic acids and their salts as sequestering
 agents in oxidizing compns. for coloring, discoloring,
 or permanent deformation of keratin fibers)
 IT 7408-20-0, Iminodisuccinic acid 7722-84-1, Hydrogen peroxide,
 biological studies 29578-05-0, Methylglycinediacetic acid
 58976-65-1 148124-42-9
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (use of polycarboxylic acids and their salts as sequestering
 agents in oxidizing compns. for coloring, discoloring,
 or permanent deformation of keratin fibers)

L16 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:794538 HCAPLUS
 DOCUMENT NUMBER: 141:282420
 TITLE: Hair dyeing composition
 comprising at least one polycarboxylic acid or a
 salt thereof, ready-to-use composition
 comprising it, process and apparatus.

INVENTOR(S): Desenne, Patricia; Millequant, Jean-Marie
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: Eur. Pat. Appl., 23 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1462093	A2	20040929	EP 2004-290799	20040325
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
FR 2852833	A1	20041001	FR 2003-50062	20030325
FR 2852831	A1	20041001	FR 2003-3874	20030328
US 2004237217	A1	20041202	US 2004-808676	20040325
PRIORITY APPLN. INFO.:				
			FR 2003-50062	A 20030325
			FR 2003-3874	A 20030328
			US 2003-461303P	P 20030408

OTHER SOURCE(S): MARPAT 141:282420

AB Hair dye compns. comprising an oxidation base, a direct dye, and a polycarboxylic acid or salts thereof are claimed. A hair dye preparation contained oleyl alc. 4, polyglycerol oleyl alc. 13, 55 % diethylaminopropyl lauryl aminosuccinamate 2, oleic acid 5, Aminol A15 12, Rhodameen 02 5, ethanol 9, propylene glycol 5, butoxydiglycol 10, 28% disodium 2-hydroxyethyliminodiacetate 0.96, 1,3-dihydroxybenzene 0.085, paraphenylenediamine 0.27, 5-N-(β -hydroxyethyl)amino-2-methylphenol 0.16, 2-methyl-5-aminophenol 1.12, para-aminophenol 0.2, 6-hydroxy indole 0.045, antioxidant q.s., reducing agents q.s., perfume q.s. 20% ammonia 10.2, and water q.s. 100%. At the time of use the preparation is mixed with equal amts. of 6% hydrogen peroxide and applied on the hair for 30 min, then rinsed to obtain the selected color.

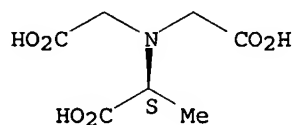
IT 29578-05-0 29578-05-0D, salts 58976-65-1
 58976-65-1D, salts 148124-42-9
 148124-42-9D, salts

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair dyeing composition comprising at least one polycarboxylic acid or salt thereof)

RN 29578-05-0 HCAPLUS

CN L-Alanine, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

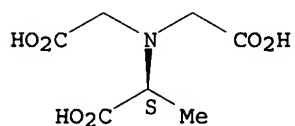
Absolute stereochemistry.



RN 29578-05-0 HCAPLUS

CN L-Alanine, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

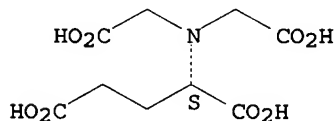
Absolute stereochemistry.



RN 58976-65-1 HCAPLUS

CN L-Glutamic acid, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

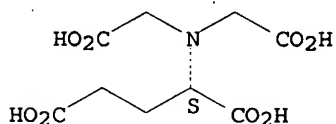
Absolute stereochemistry.



RN 58976-65-1 HCAPLUS

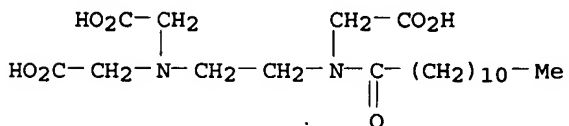
CN L-Glutamic acid, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



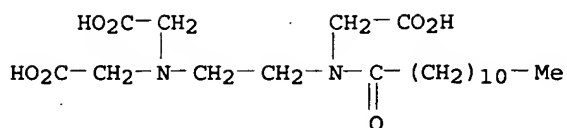
RN 148124-42-9 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)- (9CI) (CA INDEX NAME)



RN 148124-42-9 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)- (9CI) (CA INDEX NAME)



IC ICM A61K0007-13
ICS A61K0007-06
CC 62-3 (Essential Oils and Cosmetics)
ST hair dye polycarboxylic acid salt
hydroxyethyliminodiacetate
IT Hair preparations
(dyes; hair dyeing composition
comprising at least one polycarboxylic acid or salt thereof)
IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polycarboxylic, salts; hair dyeing composition
comprising at least one polycarboxylic acid or salt thereof)
IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polycarboxylic; hair dyeing composition
comprising at least one polycarboxylic acid or salt thereof)
IT 93-62-9 93-62-9D, salts 7408-20-0, Iminodisuccinic acid
7408-20-0D, salts 29578-05-0 29578-05-0D, salts
58976-65-1 58976-65-1D, salts 148124-42-9
148124-42-9D, salts
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair dyeing composition comprising at least one
polycarboxylic acid or salt thereof)

L16 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:794532 HCAPLUS

DOCUMENT NUMBER: 141:282415

TITLE: Cosmetic composition for treating keratinous
materials comprising a polycarboxylic acid and a
protecting or conditioning agent

INVENTOR(S): Mueller, Rainer; Desenne, Patricia

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: Eur. Pat. Appl., 30 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1462087	A2	20040929	EP 2004-290712	20040316
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FR 2852823	A1	20041001	FR 2003-3639	20030325
<--				
FR 2852825	A1	20041001	FR 2003-3878	20030328
<--				

PRIORITY APPLN. INFO.:

FR 2003-3639

A

200303
25<--
FR 2003-3878

A

200303
28

<--

OTHER SOURCE(S): MARPAT 141:282415

AB Cosmetic compns. for treating keratinous materials, particularly hair, comprise a protecting or conditioning agent and a polycarboxylic acid such as methylglycinediacetic acid, 2-hydroxyethyliminodiacetic acid, iminodisuccinic acid, N,N-dicarboxymethyl L-glutamic acid and their salt. These compns. improve the cosmetic property of the treated hair and facilitate and maintain the style and volume of the treated hair. A shampoo contained guar hydroxypropyltrimonium chloride 0.05, 32% cocobetaine 9, 70% sodium lauryl ether (20E) sulfate 22.2, sodium Me paraben 0.2, DMDM hydantoin 0.25, trisodium methylglycinediacetic acid (Tiron M) 0.6, dimethicone (DC 200 Fluid 300000) 2.7, a mixture of cetyl alc. and 1-(hexadecyloxy)-2-octadecanol 2.5, fragrances 0.5, coprah monoisopropanolamide (cocamide MIPA) 0.3, carbomer 0.2, a mixture of vitamins (A/E/panthenol) 0.6, citric acid q.s. pH = 7.0, and water q.s. 100%.

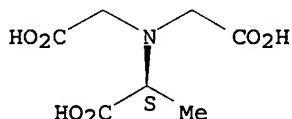
IT 29578-05-0

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic composition for treating keratinous materials
comprising polycarboxylic acid and protecting or conditioning
agent)

RN 29578-05-0 HCAPLUS

CN L-Alanine, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IC ICM A61K0007-06

CC 62-3 (Essential Oils and Cosmetics)

IT 93-62-9 7408-20-0, Iminodisuccinic acid 29578-05-0

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic composition for treating keratinous materials
comprising polycarboxylic acid and protecting or conditioning
agent)

L16 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:794531 HCAPLUS

DOCUMENT NUMBER: 141:282414

TITLE: Use of a carboxylic acid or its salts as a
conditioning agent for keratinic
materials

INVENTOR(S): Mueller, Rainer

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 1462086 A1 20040929 EP 2004-290562 200403
02

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
PL, SK, HR

FR 2852827 A1 20041001 FR 2003-3637 200303
25

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FR 2852827 B1 20060714
FR 2852824 A1 20041001 FR 2003-3641 200303
25

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FR 2852824 B1 20060714
FR 2852829 A1 20041001 FR 2003-3879 200303
28

<--
FR 2852829 B1 20060714
US 2004234489 A1 20041125 US 2004-807149 200403
23

PRIORITY APPLN. INFO.: <-- FR 2003-3637 A 200303
25

<--
FR 2003-3641 A 200303
25

<--
FR 2003-3879 A 200303
28

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US 2003-461213P P 200304
08

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US 2003-461218P P 200304
08

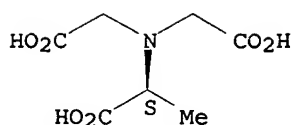
AB Carboxylic acids R1-(CHOH)4-CO2X and R2-N-(CH(R'))-COOX)2 (R1 = CH2OH or CO2X; X = H, monovalent cation, amine or ammonium ion; R2 = H, -CH(COOX)-(CH2)2-COOX, CH2CH2OH, -CH(CH3)-COOX, -(CH2)2-N(COR'')-CH2-COOX; R'' = linear or branched C1-30 alkyl, R' = -CH2-COOX when R2 = H, and R' = H when R2 is different than H atom) are claimed as conditioning agent for hair. A shampoo contained sodium lauryl ether sulfate 12, 32% cocobetain 10, copra monoethanolamide 0.50, laureth-12 0.25, mucic acid 0.30, dyes q.s., perfume 0.50, preservatives 0.40, sodium hydroxide q.s. pH = 6.7, hexylene glycol q.s., and water q.s. 100%.

IT 29578-05-0 58976-65-1 148124-42-9
170492-24-7, Trilon m
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(use of carboxylic acid or its salts as conditioning agent for keratinic materials)

RN 29578-05-0 HCAPLUS

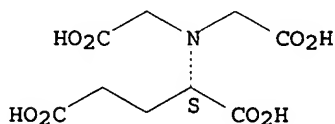
CN L-Alanine, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

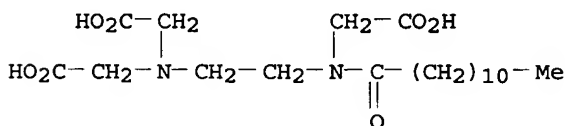


RN 58976-65-1 HCAPLUS
 CN L-Glutamic acid, N,N-bis(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

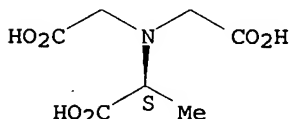


RN 148124-42-9 HCAPLUS
 CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)- (9CI) (CA INDEX NAME)



RN 170492-24-7 HCAPLUS
 CN L-Alanine, N,N-bis(carboxymethyl)-, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●3 Na

IC ICM A61K0007-06
 ICS A61K0007-50
 CC 62-3 (Essential Oils and Cosmetics)
 IT Cosmetics
 (conditioners; use of carboxylic acid or its salts as conditioning agent for keratinic materials)
 IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (salts; use of carboxylic acid or its salts as conditioning agent for keratinic materials)
 IT Shampoos
 (use of carboxylic acid or its salts as conditioning agent for keratinic materials)
 IT 93-62-9 526-99-8, Mucic acid 7408-20-0, Iminodisuccinic acid 29578-05-0 58976-65-1 148124-42-9 170492-24-7, Trilon m
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (use of carboxylic acid or its salts as conditioning agent for

keratinic materials)

L16 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:432993 HCAPLUS

DOCUMENT NUMBER: 140:428666

TITLE: Conditioning shampoos containing sequestering surfactants, oils, and cationic polymers

INVENTOR(S): Nagano, Tanemasa; Miyahara, Reiji

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004149436	A2	20040527	JP 2002-315136	20021030

PRIORITY APPLN. INFO.:

JP 2002-315136

20021030

AB The shampoos, which show high sudsing power, rich foams, and give soft and smooth texture to hair when rinsed and are especially useful for damaged hair, contain (a) ≥ 1 surfactant selected from ethylenediamine-acetate anionic surfactants, glutamate anionic surfactants, and hydroxy ether carboxylate salts, (b) oils, and (c) cationic polymers. Thus, a conditioning shampoo was prepared from N-lauroylethylenediaminetriacetic acid Na salt 0.3, polyoxyethylene lauryl ether sulfate 11, Na cocoamphoacetate 4, ethylene glycol distearate 2, coco fatty monoethanolamide 2.7, BY 22-077 (silicone emulsion) 1.5, Polymer JR 400 (cationic cellulose) 0.5, Sensomer CI 50 (cationic potato starch) 0.25, citric acid 0.45, glutamic acid 0.1, EDTA-2Na.2H₂O 0.3%, and H₂O balance.

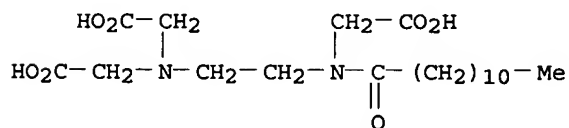
IT 206886-68-2

RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(conditioning shampoos, especially useful for damaged hair, containing Ca-sequestering surfactants, oils, and cationic polymers)

RN 206886-68-2 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-, sodium salt (9CI) (CA INDEX NAME)



●x Na

IC ICM A61K0007-075

ICS C11D0001-04; C11D0001-68; C11D0003-37

CC 62-3 (Essential Oils and Cosmetics)

IT 56-86-0D, Glutamic acid, N-cocoyl derivs., potassium salts

119793-28-1 206886-68-2 533935-73-8, Amisoft CK 22

RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL

(Biological study); USES (Uses)
(conditioning shampoos, especially useful for damaged hair,
containing Ca-sequestering surfactants, oils, and cationic polymers)

L16 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:18717 HCAPLUS

DOCUMENT NUMBER: 140:81858

TITLE: Hair relaxer compositions generating hydroxide ions with a visual indicator

INVENTOR(S): Nguyen, Nghi Van; Cannell, David W.

PATENT ASSIGNEE(S): L'Oreal, S.A., USA

SOURCE: U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004005284	A1	20040108	US 2002-183431	20020628
US 6800277	B2	20041005	US 2002-183431	20020628

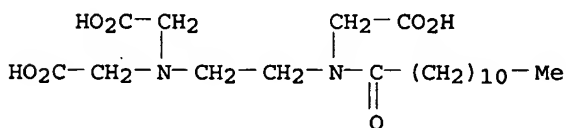
PRIORITY APPLN. INFO.: <--

AB A method for lanthionizing keratin fibers to achieve relaxation using a combination of at least one carbonate compound, at least one chelating acid, and at least one hydroxide compound, as well as multicomponent kits for lanthionizing keratin fibers are provided. For example, a calcium hydroxide cream was prepared containing (by weight) cetyl alc. 1.0%, Steareth-2 0.5%, Steareth-10 2.5%, mineral oil 15.0%, petrolatum 5.5%, cetearyl alc. and cetearyl phosphate 7.5%, propylene glycol 3.0%, calcium hydroxide 5.0%, and water 60.0%. Relaxers formed from calcium hydroxide cream and Na₂EDTA and KHCO₃ can straighten natural kinky hair.

IT 148124-42-9, N-Lauroyl-N,N',N'-ethylenediaminetriacetic acid
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses).
(hair relaxer comps. comprising carbonate compound,
chelating acid, and hydroxide compound with visual indicator)

RN 148124-42-9 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-
(9CI) (CA INDEX NAME)



IC ICM A61K0007-06

ICS A61K0007-09

INCL 424070200; X42-4 7.04

CC 62-3 (Essential Oils and Cosmetics)

IT 60-00-4, Ethylenediamine tetraacetic acid, biological studies
67-43-6, Diethylenetriaminepentaacetic acid 77-92-9, Citric acid,
biological studies 87-69-4, Tartaric acid, biological studies
93-62-9, N-2-Hydroxyethyliminodiacetic acid 139-13-9,
Nitrilotriacetic acid 139-33-3, Disodium edetate 150-39-0,
N-(Hydroxyethyl)ethylenediamine triacetic acid 298-14-6, Potassium

bicarbonate 497-19-8, Sodium carbonate, biological studies
 584-08-7, Potassium carbonate 866-84-2, Potassium citrate
 1305-62-0, Calcium hydroxide, biological studies 1309-42-8,
 Magnesium hydroxide 2817-45-0, Aminophosphonic acid 6419-19-8,
 Aminotrimethylenephosphonic acid 7408-20-0, Iminodisuccinic acid
 12672-51-4, Cobalt hydroxide 17194-00-2, Barium hydroxide
 18480-07-4, Strontium hydroxide 18933-05-6, Manganese hydroxide
 20427-58-1, Zinc hydroxide 20427-59-2, Cupric hydroxide
 21645-51-2, Aluminum hydroxide, biological studies 100224-74-6,
 Guanidine carbonate 126853-99-4, Molybdenum hydroxide
 148124-42-9, N-Lauroyl-N,N',N'-ethylenediaminetriacetic acid
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(hair relaxer compns. comprising carbonate compound,
 chelating acid, and hydroxide compound with visual indicator)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L16 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:434413 HCAPLUS

DOCUMENT NUMBER: 138:406589

TITLE: Deodorant and cosmetic shampoo preparation
 containing the same

INVENTOR(S): Okada, Toru

PATENT ASSIGNEE(S): Yugen Kaisha Okada Giken, Japan

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003045449	A1	20030605	WO 2002-JP12252	200211 25

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W: CN, JP, KR, US

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE,
 IT, LU, MC, NL, PT, SE, SK, TR

EP 1452188	A1	20040901	EP 2002-803922	200211 25
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, FI, CY, TR, BG, CZ, EE, SK

US 2005265940	A1	20051201	US 2005-496417	200506 20
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PRIORITY APPLN. INFO.:	JP 2001-359183	A	200111 26
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WO 2002-JP12252	W	200211 25
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AB Disclosed is a deodorant which is suitable for removal of various odors in daily life, especially for removing a chemical odor remaining in the hair after a permanent wave treatment. It does not irritate the hair and skin and is suitable for incorporation into a shampoo, treatment, etc. The deodorant contains a deodorizing ingredient selected among the following (a) to (d): (a) an oxoacid salt of a

divalent metal, (b) a fatty acid salt of a divalent metal, (c) a combination of an oxide of a divalent metal with an oxoacid, fatty acid, or chelating agent, and (d) a combination of an inorg. acid salt of a divalent metal with an oxoacid, fatty acid, or chelating agent. A deodorant for ammonia and hydrogen sulfide was formulated containing cupric oxide 1, EDTA 5, cocoamidopropylbetaine 10, and distilled water balance to 100 %.

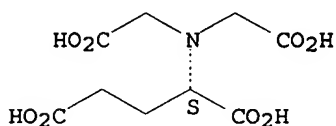
IT 51981-21-6

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(acid salts and oxides and chelators as deodorants for chemical odors from hair treatment)

RN 51981-21-6 HCAPLUS

CN L-Glutamic acid, N,N-bis(carboxymethyl)-, tetrasodium salt (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



●4 Na

IC ICM A61L0009-01

ICS A61K0007-075

CC 62-3 (Essential Oils and Cosmetics)

IT 50-81-7, L-Ascorbic acid, biological studies 60-00-4, EDTA, biological studies 127-17-3, Pyruvic acid, biological studies 139-13-9 142-71-2, Cupric acetate 149-91-7, Gallic acid, biological studies 150-39-0, Hydroxyethylethylenediaminetriacetic acid 527-09-3, Cupric gluconate 869-52-3, Triethylenetetraminehexaacetic acid 1314-13-2, Zinc oxide, biological studies 1317-38-0, Cupric oxide, biological studies 1345-25-1, Ferrous oxide, biological studies 3112-74-1, Cupric propionate 4468-02-4, Zinc gluconate 7758-98-7, Cupric sulfate, biological studies 51981-21-6 59149-04-1D, alkyl derivs.

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(acid salts and oxides and chelators as deodorants for chemical odors from hair treatment)

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:154769 HCAPLUS

DOCUMENT NUMBER: 138:209902

TITLE: Compositions comprising a hydroxide compound and an oxidizing agent for straightening curly hair
Nguyen, Nghi Van; Cannell, David W.

INVENTOR(S):

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003037384	A1	20030227	US 2001-931913	

200108
20

WO 2003015732 A1 20030227 WO 2002-US21848

200208
16

W: CA, JP, US

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, SK, TR

PRIORITY APPLN. INFO.:

US 2001-931913 A

200108
20

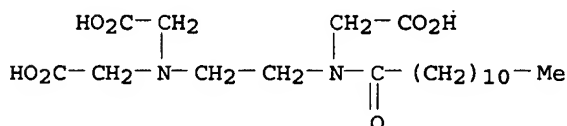
AB Compns., optionally heat-activated, methods and kits for lanthionizing keratinous fibers to achieve relaxation of the keratinous fibers comprising applying to keratinous fibers a composition comprising at least one hydroxide compound and at least one oxidizing agent. For example, compns. comprising 0.01-0.5% NaOH and 3-12% H2O2 were prepared. A naturally kinky hair swatch was either sprayed with, or was soaked in, the solution and then blotted dry. A hot curling iron was used to pull the hair straight for 3-12 s. The hair swatch was rinsed and shampooed, and then placed in a humidity chamber at 90% relative humidity for 24 h. The relaxing efficacy was, e.g., 22% for the composition containing 0.01% NaOH and 1% H2O2, and 96% for the composition containing 0.5% NaOH and 12% H2O2.

IT 148124-42-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair straightening compns. comprising hydroxide and oxidizing agent)

RN 148124-42-9 HCAPLUS

CN Glycine, N-[2-(bis(carboxymethyl)amino)ethyl]-N-(1-oxododecyl)-(9CI) (CA INDEX NAME)



IC ICM A61K0007-13

INCL 008405000; 008406000; 008432000

CC 62-3 (Essential Oils and Cosmetics)

IT 60-00-4, Ethylenediaminetetraacetic acid, biological studies
67-42-5 67-43-6, Diethylenetriaminepentaacetic acid 77-92-9,
Citric acid, biological studies 87-69-4, Tartaric acid, biological
studies 93-62-9, N-2-Hydroxyethyliminodiacetic acid 124-43-6
139-13-9, Nitrilotriacetic acid 139-33-3 142-47-2, Monosodium
glutamate 150-39-0, N-(Hydroxyethyl)ethylene diamine triacetic
acid 526-95-4, Gluconic acid 1310-58-3, Potassium hydroxide,
biological studies 1310-65-2, Lithium hydroxide 1310-73-2,
Sodium hydroxide, biological studies 1327-36-2, Aluminosilicate
6419-19-8, Aminotrimethylenephosphonic acid 6834-92-0, Disodium
silicate 7408-20-0, Iminodisuccinic acid 7601-54-9, Trisodium
phosphate 7722-84-1, Hydrogen peroxide, biological studies
7778-53-2, Tripotassium phosphate 7789-31-3D, Bromic acid, alkali
metal salts 10006-28-7 14531-56-7 148124-42-9
443976-78-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair straightening compns. comprising hydroxide and oxidizing agent)

L16 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:133647 HCAPLUS

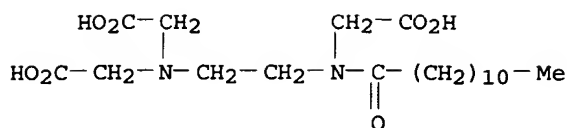
DOCUMENT NUMBER: 138:175528
 TITLE: Compositions comprising at least one hydroxide compound and at least one reducing agent, and methods for relaxing hair
 INVENTOR(S): Nguyen, Nghi Van; Cannell, David W.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 12 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003033677	A1	20030220	US 2001-931912	20010820
WO 2003015725	A2	20030227	WO 2002-US21849	20020816
WO 2003015725	A3	20031127		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002326364	A1	20030303	AU 2002-326364	20020816
PRIORITY APPLN. INFO.:			US 2001-931912	A 20010820
			WO 2002-US21849	W 20020816

AB Compns., optionally heat-activated, methods and kits for lanthionizing keratinous fibers to achieve relaxation of said keratinous fibers comprising applying to keratinous fibers a composition comprising at least one hydroxide compound and at least one reducing agent chosen from thiols, sulfites, and derivs. thereof, and heating the keratinous fibers. Relaxing efficiency of naturally kinky hair treated with compns. comprising from 0.1% to 1.0% NaOH and up to 5% ammonium thioglycolate was shown.

IT 148124-42-9
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (compns. comprising at least one hydroxide compound and at least one reducing agent, and methods for relaxing hair)

RN 148124-42-9 HCAPLUS
 CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-(9CI) (CA INDEX NAME)



IC ICM A61K0007-13
 INCL 008405000; 008406000; 008432000
 CC 62-3 (Essential Oils and Cosmetics)
 IT 52-90-4, Cysteine, biological studies 60-00-4, Ethylene-diaminetetraacetic acid, biological studies 67-42-5, 67-43-6, Diethylenetriaminepentaacetic acid 67-68-5, DMSO, biological studies 68-11-1, biological studies 77-92-9, Citric acid, biological studies 93-62-9, N-2-Hydroxyethyliminodiacetic acid 139-13-9, Nitrilotriacetic acid 150-39-0, N-(Hydroxyethyl) ethylene diamine triacetic acid 526-83-0, Tartaric acid 526-95-4, Gluconic acid 1310-58-3, Potassium hydroxide, biological studies 1310-65-2, Lithium hydroxide 1310-73-2, Sodium hydroxide, biological studies 1318-10-1, Analcime 1318-50-9, Epistilbite 1318-63-4, Heulandite 1318-80-5, Laumontite 1318-83-8, Levynite 1318-95-2, Natrolite 1319-20-6, Scolecite 2817-45-0, Aminophosphonic acid 5421-46-5, Ammonium thioglycolate 6419-19-8, Aminotrimethylene phosphonic acid 6834-92-0, Disodium silicate 7379-27-3 7379-28-4 7408-20-0, Iminodisuccinic acid 7601-54-9, Trisodium phosphate 7778-53-2, Tripotassium phosphate 10006-28-7 12005-30-0, Mesolite 12026-10-7, Thomsonite 12173-28-3, Faujasite 12173-98-7, Mordenite 12174-18-4, Phillipsite 12197-41-0, Brewsterite 12251-23-9, Gismondine 12251-35-3, Gmelinite 12251-39-7, Harmotome 12252-36-7, Edingtonite 12399-58-5, Stilbite 13598-36-2D, Phosphonic acid, derivs. 15181-46-1, Hydrogen sulfite 15477-76-6, Phosphonate 61026-54-8, Chabazite 61146-43-8 148124-42-9 443976-78-1
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (comps. comprising at least one hydroxide compound and at least one reducing agent, and methods for relaxing hair)

L16 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:118578 HCAPLUS
 DOCUMENT NUMBER: 138:158564
 TITLE: Cleansing compositions containing chelating surfactants for skin and hair products
 INVENTOR(S): Tanner, Paul Robert; Kinderdine, Sherrie L.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 16 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

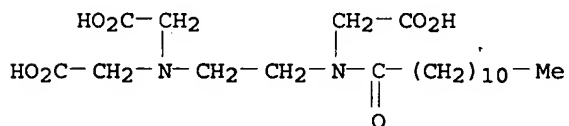
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003032573	A1	20030213	US 2001-903276	20010711

PRIORITY APPLN. INFO.: US 2001-903276 20010711

OTHER SOURCE(S): MARPAT 138:158564
 AB The present invention is directed to a cleansing composition containing 1-74

wt% of the cleansing composition of a surfactant composition, wherein the surfactant composition further includes 5-100 wt% of the surfactant composition of a chelating surfactant; and 0-95 wt% of the surfactant composition of a non-chelating surfactant; and 1-75 wt% of the cleansing composition of an inorg. or organic salt having divalent metal counterions, wherein, the ratio of the salt to the surfactant composition is 0.35-4.0. For example, a surfactant composition was prepared containing decyl polyglucoside 3%, cocoamidopropyl betaine 3%, sodium lauroyl sarcosinate 1.5%, sodium lauroyl ethylenediaminetriacetate 7%, and water to 100%. The composition was then coated onto a 6 in x 7.5 in single-layered hydroentangled/hydroapertured substrate comprising 70% rayon and 30% polyester fibers and the treated substrate was allowed to dry.

IT 148124-41-8, Sodium lauroyl ethylenediaminetriacetic acid
 RL: COS (Cosmetic use); TEM (Technical or engineered material use);
 BIOL (Biological study); USES (Uses)
 (production of cleansing compns. containing chelating surfactants for skin and hair products)
 RN 148124-41-8 HCAPLUS
 CN Glycine, N-[2-(bis(carboxymethyl)amino)ethyl]-N-(1-oxododecyl)-, trisodium salt (9CI) (CA INDEX NAME)



● 3 Na

IC ICM C11D0001-00
 INCL 510400000; 510480000
 CC 62-4 (Essential Oils and Cosmetics)
 IT 81-13-0, D-Panthenol 98-92-0, Niacinamide 99-76-3, Methylparaben 100-51-6, Benzyl alcohol, biological studies 137-16-6, Sodium lauroyl sarcosinate 7487-88-9, Magnesium sulfate, biological studies 9006-65-9, Dimethicone 10043-52-4, Calcium chloride, biological studies 36574-66-0D, N-coco acyl derivs. 142769-93-5 148124-41-8, Sodium lauroyl ethylenediaminetriacetic acid
 RL: COS (Cosmetic use); TEM (Technical or engineered material use);
 BIOL (Biological study); USES (Uses)
 (production of cleansing compns. containing chelating surfactants for skin and hair products)

L16 ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:675791 HCAPLUS

DOCUMENT NUMBER: 137:221744

TITLE: Hair relaxer compositions comprising a hydroxide compound and an activating agent

INVENTOR(S): Cannell, David W.; Mathur, Hitendra; Nguyen, Nghi Van

PATENT ASSIGNEE(S): L'oreal S.A., Fr.

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002067875

A1

20020906

WO 2002-US3392

200202
21

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
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 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
 NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
 TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
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 SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

US 2002159962

A1

20021031

US 2001-789667

200102
22

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US 7118736

B2

20061010

EP 1379214

A1

20040114

EP 2002-723098

200202
21

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004533998 T2 20041111 JP 2002-567244

200202
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PRIORITY APPLN. INFO.:

US 2001-789667

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22

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WO 2002-US3392

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21

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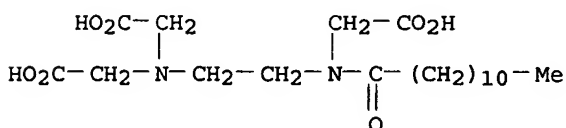
AB A composition for lanthionizing **keratin** fibers, i.e., human **hair**, comprises (i) at least one hydroxide compound, with the proviso that said at least one hydroxide compound is not sodium hydroxide, lithium hydroxide or potassium hydroxide, and (ii) at least one activating agent chosen from cysteine-based compds. Methods and kits for using the **hair** relaxer compns. are also described. thereof. For example, natural kinky **hair** was relaxed using a com. no-lye relaxer cream (5.71% by weight Ca(OH)₂) with an activator solution containing decreasing amts. of guanidine carbonate. The relaxing efficiency decreased as the concentration of guanidine carbonate was lowered. A concentration of guanidine carbonate of > 4.1% by weight in the final mixture efficiently relaxed the **hair**.

IT 148124-42-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (**hair** relaxer compns. comprising hydroxide compound and
 cysteine-based activating agent)

RN 148124-42-9 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-
 (9CI) (CA INDEX NAME)



IC ICM A61K0007-00
 CC 62-3 (Essential Oils and Cosmetics)
 ST hair relaxer straightener hydroxide cysteine activating agent
 IT Surfactants
 (amphoteric; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Surfactants
 (anionic; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Surfactants
 (cationic; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Amino acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (diamino; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Hair preparations
 (dyes; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Chelating agents
 Sequestering agents
 (hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Alkali metal hydroxides
 Alkaline earth hydroxides
 Amino acids, biological studies
 Hydrocarbon oils
 Phosphates, biological studies
 Polymers, biological studies
 Polysiloxanes, biological studies
 Proteins
 Silicates, biological studies
 Vitamins
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Human
 (hair; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Hair
 (human; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Actinide compounds
 Rare earth compounds
 Transition metal compounds
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxides; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Sulfonic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy-containing; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Surfactants
 (nonionic; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Hair preparations
 (straighteners; hair relaxer compns. comprising hydroxide compound and cysteine-based activating agent)
 IT Hydroxides (inorganic)
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (transition metal; hair relaxer compns. comprising

hydroxide compound and cysteine-based activating agent)

IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (vegetable; hair relaxer compns. comprising hydroxide
 compound and cysteine-based activating agent)

IT 52-90-4, L-Cysteine, biological studies 52-90-4D, Cysteine,
 derivs., homologs and salts 60-00-4, EDTA, biological studies
 67-43-6 67-68-5, DMSO, biological studies 77-92-9, Citric acid,
 biological studies 93-62-9, N-2-Hydroxyethyliminodiacetic acid
 139-13-9, Nitrilotriacetic acid 139-33-3 142-47-2, Monosodium
 glutamate 150-39-0, N-(Hydroxyethyl)ethylene diaminetriacetic acid
 526-83-0, Tartaric acid 526-95-4, Gluconic acid 616-91-1,
 N-Acetyl-L-cysteine 1305-62-0, Calcium hydroxide, biological
 studies 1310-58-3, Potassium hydroxide, biological studies
 1310-65-2, Lithium hydroxide 1310-73-2, Sodium hydroxide,
 biological studies 2338-04-7, L-Homocysteine thiolactone
 2485-62-3, Cysteine methyl ester 2817-45-0, Aminophosphonic acid
 2885-79-2, N-Propionylcysteine 3411-58-3, Cysteine ethyl ester
 6027-13-0, Homocysteine 6419-19-8, Aminotrimethylenephosphonic
 acid 6834-92-0, Disodium silicate 7217-84-7, N-Benzoylcysteine
 7408-20-0, Iminodisuccinic acid 7601-54-9, Trisodium phosphate
 7778-53-2, Tripotassium phosphate 10006-28-7 10061-64-0
 14280-30-9, Hydroxide, biological studies 19900-78-8 24583-23-1
 53404-51-6, Potassium EDTA 60654-26-4, L-Cysteine propyl ester
 62309-95-9 64120-25-8, Guanidine hydroxide 67603-48-9,
 N-Caproyl-L-cysteine 100224-74-6, Guanidine carbonate
 125559-75-3 148124-42-9 214558-33-5 443976-78-1
 454679-15-3 454679-16-4 454679-17-5 454679-18-6 454679-19-7
 454679-20-0 455280-34-9, N-Toluoylcysteine 455280-35-0,
 N-(Ethylbenzyl)cysteine 455280-36-1, N-(Propylbenzoyl)cysteine
 455280-37-2, N-Toluoylhomocysteine thiolactone 455280-38-3,
 N-(Ethylbenzyl)homocysteine thiolactone
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair relaxer compns. comprising hydroxide compound and
 cysteine-based activating agent)

IT 13598-36-2, Phosphonic acid
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy-containing; hair relaxer compns. comprising
 hydroxide compound and cysteine-based activating agent)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L16 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:574884 HCAPLUS
 DOCUMENT NUMBER: 137:129537
 TITLE: Hair relaxer compositions utilizing cation
 exchange compositions
 INVENTOR(S): Cannell, David W.; Nguyen, Nghi Van
 PATENT ASSIGNEE(S): L'Oreal S.A., Fr.
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002058651	A1	20020801	WO 2001-US43193	200111 20

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
 NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
 TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
 CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
 SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

US 6435193 B1 20020820 US 2000-717206 200011
 22

EP 1337232 A1 20030827 EP 2001-994075 200111
 20

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 US 2003049221 A1 20030313 US 2002-214942 200208
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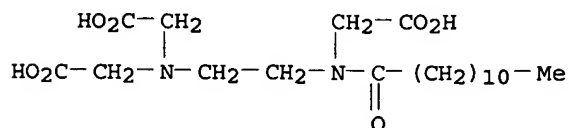
PRIORITY APPLN. INFO.: US 2000-717206 A 200011
 22

WO 2001-US43193 W 200111
 20

AB A composition for lanthionizing keratin fibers comprising at least one multivalent metal hydroxide and at least one cation exchange composition. The invention is also drawn to a method for lanthionizing keratin fibers to achieve relaxation of the keratinous fibers. Thus a two component hair relaxing compns. were prepared. The cream contained (weight/weight%): cetyl alc. 1.0; steareth-2 0.5; Steareth-10 2.5; mineral oil 15.0; petrolatum 5.5; cetearyl alc. and cetearyl phosphate 7.5; propylene glycol 3.0; tetrasodium EDTA 30.5; water 34.5. The second components contained 0.3 g calcium hydroxide, 2 g water and various amts. (0; 0.2; 0.5; and 1 g) of zeolite clay (sodium aluminosilicate). 1.8 G of the complexing agent cream and the second component were mixed; the relaxing efficiency increased from 64% to 79% when 1 g zeolite clay was used compared to the composition without zeolite clay.

IT 148124-42-9
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair relaxer compns. utilizing cation exchange compns.)

RN 148124-42-9 HCAPLUS
 CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-(9CI) (CA INDEX NAME)



IC ICM A61K0007-09
 CC 62-3 (Essential Oils and Cosmetics)
 IT 60-00-4, Ethylenediaminetetraacetic acid, biological studies
 67-42-5 67-68-5, DMSO, biological studies 77-92-9, Citric acid,
 biological studies 93-62-9, N-2-Hydroxyethyliminodiacetic acid
 102-71-6, Triethanolamine, biological studies 111-40-0,

Diethylenetriamine 111-42-2, Diethanolamine, biological studies
 139-13-9, Nitrilotriacetic acid 141-43-5, Monoethanolamine,
 biological studies 142-47-2, Monosodium glutamate 150-39-0,
 N-(Hydroxyethyl)ethylene diamine triacetic acid 526-83-0, Tartaric
 acid 1305-62-0, Calcium hydroxide, biological studies 1309-42-8,
 Magnesium hydroxide 1312-76-1, Potassium silicate 1318-50-9,
 Epistilbite 1318-63-4, Heulandite 1318-80-5, Laumontite
 1318-83-8, Levynite 1318-95-2, Natrolite 1319-20-6, Scolecite
 1344-00-9, Sodium aluminosilicate 1344-09-8, Sodium silicate
 2817-45-0, Aminophosphonic acid 6419-19-8,
 Aminotrimethylenephosphonic acid 6834-92-0, Disodium silicate
 7408-20-0, Iminodisuccinic acid 7601-54-9, Trisodium phosphate
 7778-53-2, Tripotassium phosphate 10006-28-7 12043-66-2,
 Mesolite 12173-28-3, Faujasite 12173-98-7, Mordenite
 12174-18-4, Phillipsite 12197-41-0, Brewsterite 12251-23-9,
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 12252-36-7, Edingtonite 12446-28-5, Stilbite 12626-88-9,
 Manganese hydroxide 12627-14-4, Lithium silicate 12672-51-4,
 Cobalt hydroxide 13598-36-2D, Phosphonic acid, hydroxy derivs.
 16970-11-9, Thomsenolite 17194-00-2, Barium hydroxide
 18480-07-4, Strontium hydroxide 20427-58-1, Zinc hydroxide
 20427-59-2, Cupric hydroxide 21645-51-2, Aluminum hydroxide,
 biological studies 53404-51-6, Potassium EDTA 61026-54-8,
 Chabazite 61146-43-8, Glycine, N,N'-1,2-ethanediybis[N-
 (carboxymethyl)-, lithium salt 126853-99-4, Molybdenum hydroxide
 148124-42-9 443976-78-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(hair relaxer compns. utilizing cation exchange
 compns.)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L16 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:661220 HCAPLUS

DOCUMENT NUMBER: 135:215751

TITLE: Hair relaxer compositions containing complexing
 agent activators

INVENTOR(S): Van Nguyen, Nghi; Cannell, David W.

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001064171	A2	20010907	WO 2001-US6338	20010228

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WO 2001064171 A3 20020110

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
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 NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

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US 6562327 B1 20030513 US 2000-516942

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CA 2401009 AA 20010907 CA 2001-2401009

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EP 1261312 A2 20021204 EP 2001-916273

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EP 1261312 B1 20060906

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001008907 A 20021224 BR 2001-8907

200102
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JP 2003524658 T2 20030819 JP 2001-563069

200102
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ZA 2002006840 A 20030404 ZA 2002-6840

200208
27

PRIORITY APPLN. INFO.: US 2000-516942 A

200003
01

WO 2001-US6338 W

200102
28

AB The present invention provides a composition for lanthionizing keratin fibers comprising at least 1 multivalent metal hydroxide and at least 1 complexing agent effective for dissociating one multivalent metal hydroxide in sufficient quantity to effect lanthionization of the keratin fibers. In one embodiment, the complex that is formed between the complexing agent and a metal ion from the multivalent metal hydroxide is soluble in water. thus, a gel was prepared from mineral oil 15.0, petrolatum 5.5, Sr(OH)2 octahydrate 18.6, propylene glycol 3.0, acrylates/Ceteth-20 itaconate copolymer 7.0, and water 50.9%. The relaxer gel (6 g) was mixed with a solution of 1.83 g tetrasodium EDTA in 2 g water and the mixture was applied to kinky hair. The relaxing efficiency of the strontium/EDTA hair relaxer was found to be in excess of 85%.

IT 148124-41-8 148124-42-9

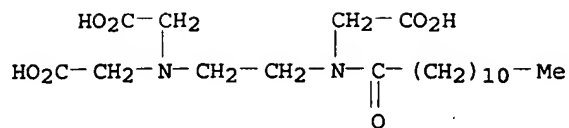
RL: BUU (Biological use, unclassified); BIOL (Biological study);

USES (Uses)

(hair relaxer compns. containing complexing agent activators)

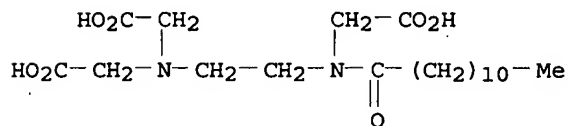
RN 148124-41-8 HCAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-, trisodium salt (9CI) (CA INDEX NAME)



● 3 Na

RN 148124-42-9 HCAPLUS
 CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-
 (9CI) (CA INDEX NAME)



IC ICM A61K0007-06
 CC 62-3 (Essential Oils and Cosmetics)
 IT 60-00-4, EDTA, biological studies 67-43-6,
 Diethylenetriaminepentaacetic acid 77-92-9, Citric acid,
 biological studies 87-69-4, Tartaric acid, biological studies
 93-62-9, N-(2-Hydroxyethyliminodiacetic acid 139-13-9 139-89-9,
 Trisodium N-(hydroxyethyl)ethylenediaminetriacetate 140-01-2,
 Pentasodium diethylenetriaminepentaacetate 150-39-0,
 N-(Hydroxyethyl)ethylenediaminetriacetic acid 1305-62-0, Calcium
 hydroxide (Ca(OH)₂), biological studies 1309-42-8, Magnesium
 hydroxide 1318-10-1, Analcime 1318-50-9, Epistilbite
 1318-63-4, Heulandite 1318-80-5, Laumontite 1318-83-8, Lévyne
 1318-95-2, Natrolite 1319-20-6, Scolecite 1327-36-2,
 Aluminosilicate 1763-07-1, Guanidine phosphate 2235-43-0
 5064-31-3, Trisodium Nitrilotriacetate 6419-19-8,
 Aminotrimethylenephosphonic acid 6834-92-0, Sodium metasilicate
 7408-20-0, Iminodisuccinic acid 7601-54-9, Trisodium phosphate
 7778-53-2, Tripotassium phosphate 10006-28-7, Silicic acid
 (H₂SiO₃), dipotassium salt 12043-66-2, Mesolite 12173-28-3,
 Faujasite 12173-98-7, Mordenite 12174-18-4, Phillipsite
 12197-41-0, Brewsterite 12251-23-9, Gismondine 12251-32-0,
 Chabazite 12251-35-3, Gmelinite 12251-39-7, Harmotome
 12252-36-7, Edingtonite 12399-54-1, Thomsonite 12446-28-5,
 Stilbite 17194-00-2, Barium hydroxide (Ba(OH)₂) 18480-07-4,
 Strontium hydroxide (Sr(OH)₂) 18933-05-6, Manganese hydroxide
 (Mn(OH)₂) 20427-58-1, Zinc hydroxide (Zn(OH)₂) 20427-59-2,
 Copper hydroxide (Cu(OH)₂) 21041-93-0, Cobalt hydroxide (Co(OH)₂)
 21645-51-2, Aluminum hydroxide (Al(OH)₃), biological studies
 120070-48-6 126853-99-4, Molybdenum hydroxide 148124-41-8
 148124-42-9
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (hair relaxer compns. containing complexing agent
 activators)

L16 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:225813 HCAPLUS
 DOCUMENT NUMBER: 130:316420
 TITLE: Biodegradable cleaning compositions with good
 disinfecting properties for skin and hair
 INVENTOR(S): Kaneko, Yohei; Danjo, Hiroshi
 PATENT ASSIGNEE(S): Kao Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11092794	A2	19990406	JP 1997-256391	19970922

PRIORITY APPLN. INFO.: JP 1997-256391 19970922

OTHER SOURCE(S): MARPAT 130:316420

AB Title compns. contain (A) anionic surfactants 2-60, (B) cationic disinfectants 0.05-5, and (C) aminopolycarboxylic acids or their salts (MO2CCH2)2NCH(R1CO2M)CO2M [R1 = CH2, CH(OH), CH2CH2; M = H, alkali metal, alkanolamine, ammonium] 0.05-5% at C/B ratio 0.5-3. Thus, a detergent composition comprising polyoxyethylene lauryl ether sulfate sodium salt 5, benzalkonium chloride 1, trisodium N,N-bis(carboxymethyl)-L-aspartate 1, lauric acid diethanolamide 5%, and balance H2O showed good disinfecting properties, foamability, and biodegradability.

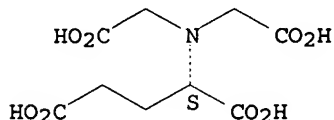
IT 63998-93-6, Trisodium N,N-bis(carboxymethyl)-L-glutamate
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)

(biodegradable cleaning compns. containing anionic surfactants, cationic disinfectants, and aminopolycarboxylic acids for skin and hair)

RN 63998-93-6 HCAPLUS

CN L-Glutamic acid, N,N-bis(carboxymethyl)-, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 3 Na

IC ICM C11D0010-02

ICS A01N0033-12; A01N0037-04; A01N0037-44; C11D0001-02;
 C11D0001-62; C11D0001-65; C11D0003-33; C11D0003-48

CC 62-1 (Essential Oils and Cosmetics)

IT 63998-93-6, Trisodium N,N-bis(carboxymethyl)-L-glutamate
 205938-57-4 223497-87-8

RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)

(biodegradable cleaning compns. containing anionic surfactants, cationic disinfectants, and aminopolycarboxylic acids for skin and hair)

L16 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:502555 HCAPLUS

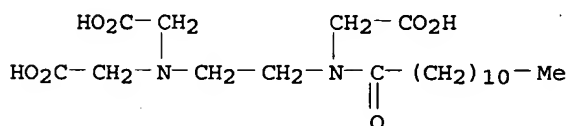
DOCUMENT NUMBER: 129:193509

TITLE: Antidandruff hair preparations
 INVENTOR(S): Shin, Monzou; Choi, Sho Sak; Kaku, Yoo Duk; Won, Sei Kahn; Chung, Han Il; Won, kei Ki
 PATENT ASSIGNEE(S): Pacific Chemical Co., Ltd., S. Korea
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10203938	A2	19980804	JP 1997-174569	19970630
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JP 3434435	B2	20030811		
KR 193901	B1	19990615	KR 1997-2207	19970127
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KR 193902	B1	19990615	KR 1997-2208	19970127
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KR 199855	B1	19990615	KR 1997-9984	19970322
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US 5886031	A	19990323	US 1997-861730	19970522
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FR 2758722	A1	19980731	FR 1997-8135	19970627
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FR 2758722	B1	20000804		
FR 2758720	A1	19980731	FR 1997-12825	19971014
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FR 2758720	B1	20000804		
US 6054450	A	20000425	US 1998-220802	19981228
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JP 2002154936	A2	20020528	JP 2001-352658	20011119
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JP 3819765	B2	20060913		
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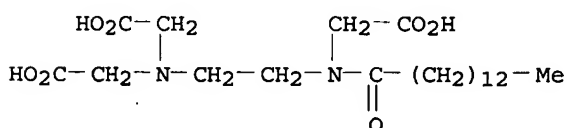
KR 1997-17380 A 199705
07
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US 1997-861720 A3 199705
22
<--
JP 1997-174569 A3 199706
30
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US 1998-100753 B1 199806
22

AB Antidandruff hair prepns. comprise iodopropinylbutylcarbamate
0.001-20, zinc pyrithione 0.001-5, chelators 0.001-10 and
N-acylethylene triacetate 0.01-20 weight%.
IT 206886-68-2 211932-27-3 211932-28-4
211932-29-5
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(antidandruff hair prepns.)
RN 206886-68-2 HCAPLUS
CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxododecyl)-,
sodium salt (9CI) (CA INDEX NAME)



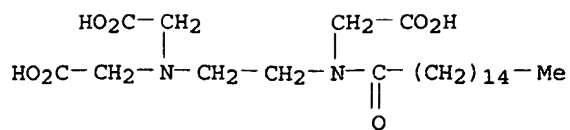
●x Na

RN 211932-27-3 HCAPLUS
CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxotetradecyl)-,
sodium salt (9CI) (CA INDEX NAME)



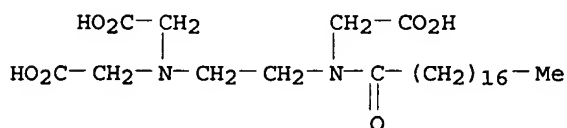
●x Na

RN 211932-28-4 HCAPLUS
CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxohexadecyl)-,
sodium salt (9CI) (CA INDEX NAME)



●x Na

RN 211932-29-5 HCAPLUS
 CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(1-oxooctadecyl)-,
 sodium salt (9CI) (CA INDEX NAME)



●x Na

IC ICM A61K0007-06
 ICS A61K0007-00
 CC 62-3 (Essential Oils and Cosmetics)
 IT 60-00-4, Edta, biological studies 67-43-6,
 Diethylenetriaminepentaacetic acid 74-85-1D, Ethene, N-acyl,
 triacetate, biological studies 107-15-3, 1,2-Ethanediamine,
 biological studies 111-40-0 482-54-2,
 Cyclohexanediaminetetraacetic acid 3055-17-2 13463-41-7, Zinc
 pyrithione 37571-28-1, Tetraethylenetriamine 55406-53-6
 206886-68-2 211932-27-3 211932-28-4
 211932-29-5
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (antidandruff hair preps.)

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